

Work Order ID 54182

December 2, 2009 11:12:18 AM



Page 1

Item ID: D407-663-011
Revision ID: B
Item Name: Heli-Utility-Basket RH

Accept



Setup Start



Stop



Start Date: 02/12/2009 Start Qty: 1.00
Required Date: 16/12/2009 Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: PH Date: 09/12/22 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2955	Rev B								
100	DOCUMENT CONTROL	0.00							
	DC								
Document Control	Memo	0.00							
	Photocopy bluefile and create labels per PPP D407-663-011CHG002/3 (DS19428)								
110	Pick Kit	0.00							
	Packaging								
Packaging	Memo	0.00							
120	Small Fab	0.00							
	Small Fab								
Small Fab	Memo	0.00							
	Assemble basket as per Dwg D2955. Inspect for foreign objects as per QSI 024.								

MF 09/12/30 (PTU)

9/12/21 (ID SP)

09-12-22 (YI) Ø

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10-01-04	100	New 2 chgcos per DSI 9428 that is already included in this w.o. perm. change	<i>[Signature]</i>	10/01/12		<i>[Signature]</i> 10-01-04	<i>[Signature]</i> 10-01-04

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 54182

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Item ID: D407-663-011

Accept



Setup Start



Revision ID: B

Stop



Item Name: Heli-Utility-Basket RH

Start Date: 02/12/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 16/12/2009 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00				1			 12/12/09
140 Packaging Packaging	Pick Kit Memo	0.00 0.00							 9/10/09
150 QC Quality Control	QC4- 100% Inspect kits for completeness Memo	0.00 0.00				1			 12/01/09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Setup Start



Revision ID: B

Stop



Item Name: Heli-Utility-Basket RH

Start Date: 02/12/2009 Start Qty: 1.00



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Required Date: 16/12/2009 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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160

0.00



Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D407-663

011 ☐ Location: _____ ☐ PPP Rev: _____

Rev D

151-5

170

0.00



QC21- Final Inspection - Work Order Release

QC

Memo

0.00

Quality Control

10-01-05

MF 10-01-05

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Picklist Print

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Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH

Comments:

Start Date: 02/12/2009

Required Date: 16/12/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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MS21042L3

Purchased

No



Nut

120

Each

2,809.000

6.0000



9/12/21 SP

(P10)

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2809

110844

32

111274

27

111668

258

112314

1992

112385

500

AN3-20A

Purchased

No



Bolt

120

Each

67.0000

2.0000



9/12/21 SD

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

67

105125

50

15432

17

120

Each

17.0000

2.0000



1113359 9/12/21 SD

AN4-14A

Purchased

No



Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

17

110372

17

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/01/04	120	These notes belong to Route 120. perm change		10/01/04				

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN4-22A Purchased No



Bolt

120

Each

256.0000

2.0000



9/12/21 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

256

104937

8

107715

5

108483

43

111965

200

AN5-17A

Purchased

No



Bolt

120

Each

56.0000

2.0000



9/12/21 P.D.

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

56

102140

4

107939

2

110625

2

112314

1

112385

47

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item Name: Heli-Utility-Basket RH

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN5-21A 		Purchased	No			120	Each	32.0000	2.0000			
Bolt												

9/12/21 SP

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

32

16463

32

120

Each

2,411.000 4.0000

2

AN960JD416

Purchased

No



Washer



M113288 9/10/21 SP

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

2411

108161

329

110523

340

111279

101

111916

482

112314

1159

16941

0

NAS1149004637

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item Name: Heli-Utility-Basket RH

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD416L Washer		Purchased	No			120	Each	854.0000	2.0000			

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

854

107008

54

108138

4

108583

42

110153

354

112492

400

9/12/24 sf

AN960JD516

Purchased

No

120

Each

1,084.000 4.0000



Washer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1084

110363

46

110523

57

111279

39

112082

64

112314

14

112828

364

113149

500

9/12/24 sf

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item: D407-663-011RevB



Parent Item Name: Heli-Utility-Basket RH


Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin : Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD8  Washer		Purchased	No			120	Each	1,349.000	2.0000		9/12/21 sf	

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1349

107091

9

108335

11

110382

48

110917

3

111578

60

112314

498

112385

720

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Picklist Print

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Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH


Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN970-4  Washer		Purchased	No			120	Each	315.0000	4.0000		9/12/21 SP	

Warehouse
Location
Main Warehouse
ST

Loc Qty

Loc Code

315

104885

3

107242

3

107715

1

108077

2

108377

19

111724

3

112082

1

112794

9

112933

5

112991

269

D2332-041RevC1

Manufactured

No

120

Each

11.0000

1.0000

Lid Prop Assembly 6.69" long

Warehouse
Location
Main Warehouse

Loc Qty

Loc Code

572

11

51969

11

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH




Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2530RevB  Handle Weldment		Manufactured	No			120	Each	1.0000	1.0000		9/12/21 SP B53922	
				<u>Warehouse</u>	<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>			
				Main Warehouse								
				ST506				1				
				52280				1				
D2535RevA  Spring		Manufactured	No			120	Each	30.0000	2.0000		9/12/21 SP	
				<u>Warehouse</u>	<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>			
				Main Warehouse								
				ST				30				
				46580				30				
D2537RevA1  Bushing		Manufactured	No			120	Each	93.0000	2.0000		9/12/21 SP	
				<u>Warehouse</u>	<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>			
				Main Warehouse								
				ST				93				
				52994				33				
				53181				60				

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Picklist Print

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Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH



Comments:

Start Date: 02/12/2009

Required Date: 16/12/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID: Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2728-3RevB 		Manufactured	No			120	Each	0.0000	0.0000			
Dart Logo label												
D2851-145RevA1 		Manufactured	No			120	Each	3.0000	1.0000			
Placard												

22553 9/12/12 SP

9/12/12 SP

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

32019

3

3

D2931RevA

Manufactured No



Bumper

120

Each

937.0000

2.0000

9/12/12 SP

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

46064

937

937

D2948-041RevB

Manufactured No



Basket Base, 407

D2952-041RevC

Manufactured No



Basket Lid, 407

120

Each

0.0000

1.0000

(X1)

B54183 11/09-12-22 @

120

Each

0.0000

1.0000

(X1)

B54185 11/09-12-22 @

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Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item Name: Heli-Utility-Basket RH


Comments:

Start Date: 02/12/2009

Required Date: 16/12/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2961RevA		Manufactured	No			120	Each	1.0000	1.0000			
<div>  </div>												
Label												

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1

12077

1

MS20600-AD4W3

Purchased

No

120

Each

2,515.000 2.0000



Cherry Rivets

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2515

102929

37

104715

10

106375

500

107939

1000

111636

968

9/12/21 SP

1
9/12/21 SP

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21042L3 Nut		Purchased	No			120	Each	2,809.000	2.0000		9/12/21	sl

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	2809	
110844	32	
111274	27	
111668	258	
112314	1992	2
112385	500	

MS21042L4



Nut

Purchased

No

120

Each

4,301.000 4.0000



9/12/21 sl @

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	4301	
110507	184	
111827	4117	4
13924	0	

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Start Qty: 1.00

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Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN3-11A  Bolt		Purchased	No			150	Each	285.0000	6.0000		9/12/21 sf	
--	--	-----------	----	--	--	-----	------	----------	--------	--	------------	--

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST	285	
	109927	34	
	110865	200	
	14820	51	

AN960JD10  Washer		Purchased	No			150	Each	2,043.000	6.0000		9/12/21 sf @	
--	--	-----------	----	--	--	-----	------	-----------	--------	--	--------------	--

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST	2043	
	105442	8	
	109059	2	
	109840	23	
	110985	202	
	111279	5	
	111668	64	
	112314	725	
	112369	14	
	113149	1000	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 12

December 2, 2009 11:12:25 AM

Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH




Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
<i>J</i> D2852RevA  Label		Manufactured	No			150	Each	15.0000	1.0000		<i>9/12/21</i>	<i>SP</i>
<div>Warehouse Location</div> <div>Main Warehouse</div> <div>ST</div> <div>30108</div> <div>33084</div>												
<div>Loc Qty</div> <div>15</div> <div>7</div> <div>8</div>												
<div>Loc Code</div>												
<i>J</i> D2984RevA  Label		Manufactured	No			150	Each	38.0000	1.0000		<i>9/12/21</i>	<i>SP</i>
<div>Warehouse Location</div> <div>Main Warehouse</div> <div>ST</div> <div>12605</div>												
<div>Loc Qty</div> <div>38</div> <div>38</div>												
<div>Loc Code</div>												
<i>J</i> D3863-1  TUBE		Manufactured	No			150	Each	50.0000	1.0000		<i>B44876</i>	<i>10-1-11 SP</i>
<div>Warehouse Location</div> <div>Main Warehouse</div> <div>ST</div> <div>44876</div>												
<div>Loc Qty</div> <div>50</div> <div>50</div>												
<div>Loc Code</div>												

December 2, 2009 11:12:25 AM

Shop Packet Print

Page 12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 13

December 2, 2009 11:12:25 AM

Work Order ID: 54182

Parent Item: D407-663-011RevB

Parent Item Name: Heli-Utility-Basket RH

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D407-301-011RevN/A Center Bracket		Manufactured	No			150	Each	0.0000	1.0000			
D407-302-011RevN/A Outboard Bracket		Manufactured	No			150	Each	0.0000	1.0000			
MS21042L5 Nut		Purchased	No			150 120	Each	758.0000	4.0000			

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

758

110382

10

111127

4

111636

11

112314

733

December 2, 2009 11:12:25 AM

Shop Packet Print

Page 13

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
1001-04	150	The MS2104224 nuts belong to Route 120 Perm change		10/01/12		10-01-04	10-01-04	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D2955	REV. B SHEET 1 OF 2
DATE 00.07.17		TITLE BASKET ASSEMBLY SCALE NTS	
A	00.01.13	NEW ISSUE	
B	00.07.17	UPDATE TOP VIEW OF BASKET	

Qty -041	Part Number	Description
X	D2955-041	BASKET ASSEMBLY
1	D2332-041	LID PROP ASSEMBLY
1	D2530	HANDLE WELDMENT
2	D2535	SPRING
2	D2537	BUSHING
1	D2851-145	PLACARD
1	D2961	PLACARD
2	D2931	BUMPER
1	D2948-041	BASKET BASE ASSEMBLY
1	D2952-041	BASKET LID ASSEMBLY
2	AN3-20A	BOLT
2	AN4-14A	BOLT
2	AN4-22A	BOLT
2	AN5-17A	BOLT
2	AN5-21A	BOLT
6	AN960JD416	WASHER
4	AN960JD516	WASHER
2	AN960JD8	WASHER
4	AN970-4	WASHER
2	MS20600AD4W3	RIVET
2	MS21042L3	NUT (OR MS21042-3)
4	MS21042L4	NUT (OR MS21042-4)
4	MS21042L5	NUT (OR MS21042-5)

#00.09.08
RF

#00.09.08
RF

#00.09.08
RF

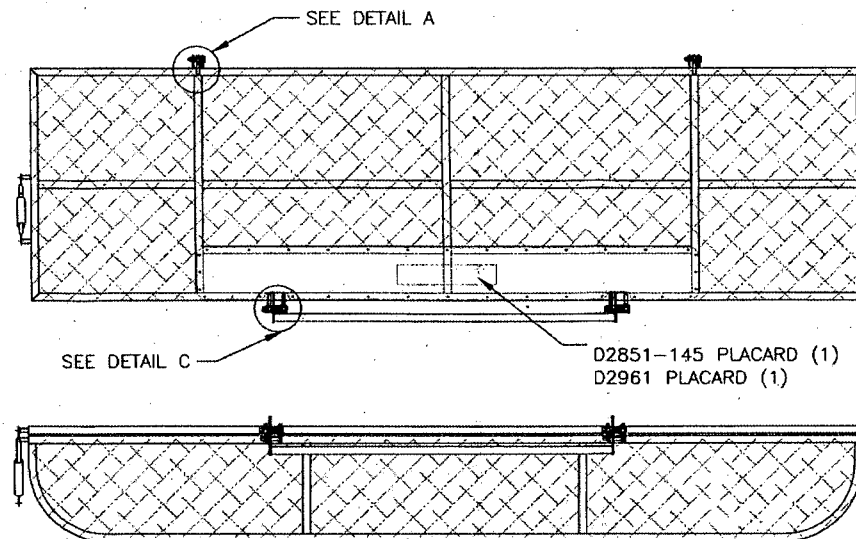
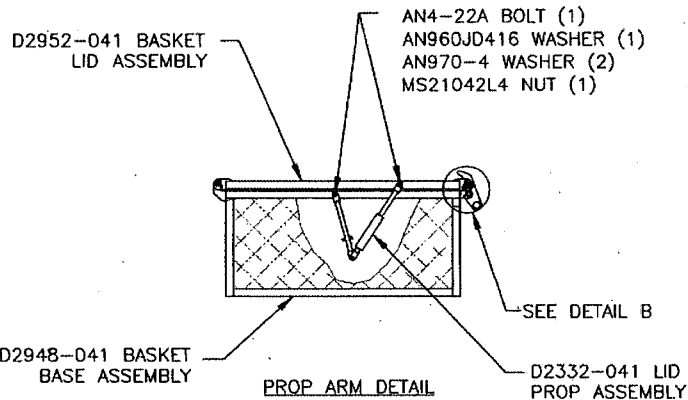
SHOW
REF
ENGINEER
INCONTAINMENT
SUBJECT 1. ASSEMBLY
WITHIN THE
WORK
NO. 54182

1009-12-2

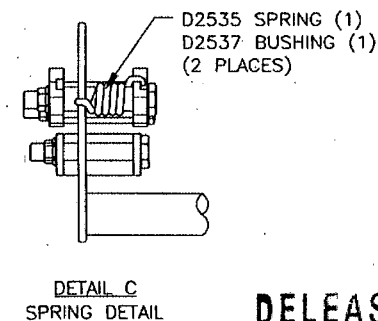
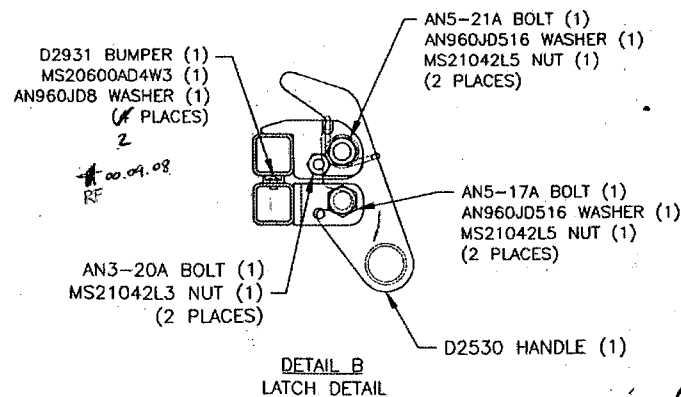
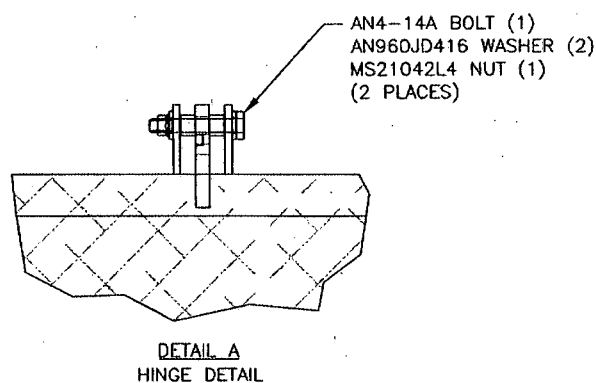
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00.07.18

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D2955-041 BASKET ASSEMBLY



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DESIGN
RF

DRAWN BY
RF

CHECKED
RF

APPROVED
RF

DATE

00.07.17

DART

DART AEROSPACE LTD.
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

D2955

TITLE

BASKET ASSEMBLY

REV. B

SHEET 2 OF 2

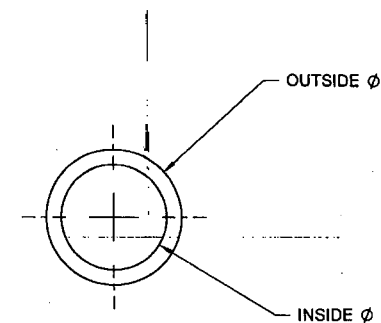
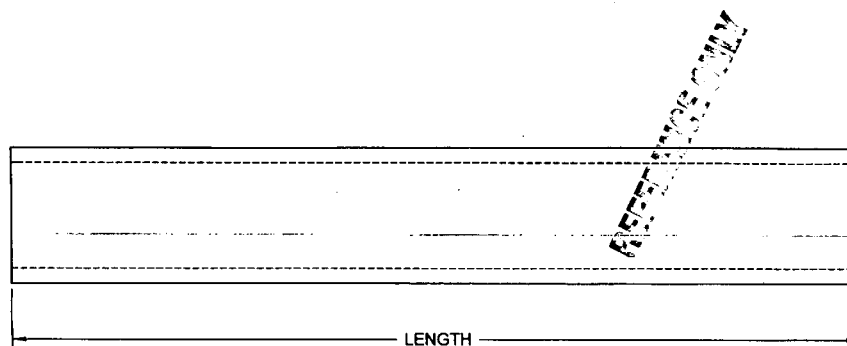
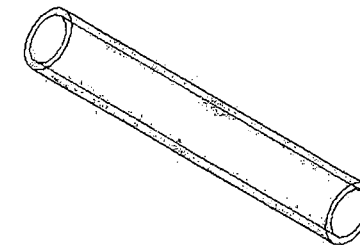
SCALE

NTS

B 44 8 26

STY 16

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	INSIDE DIAMETER	OUTSIDE DIAMETER	WALL THICKNESS	LENGTH	SUPPLIER MATERIAL	SUPPLIER PART NUMBER
D3863-1	0.44 (7/16)	0.56 (9/16)	0.06 (1/16)	3.0	TYGON R-3603	AAC00032

D3863-1

RELEASED
09/07/14

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3863-1" USING FINE POINT PERMANENT INK MARKER
 - 7) WEIGHT: 0.01 lbs

REV.	NEW ISSUE	DESCRIPTION	BY	DATE
DESIGN				
DRAWN				
CHECKED	AS			
MFG. APPR.	N/A			
APPROVED				
DE APPR.				
DATE	08.12.01			

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	REV. A
DRAWING NO. D3863	SHEET 1 OF 1
TITLE TUBE	SCALE NTS
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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D407-627 REV. D AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
ICA-D407-627 REV. 1 & ICA-D407-663 REV 0

REF:

TCCA STC SH00-28
TCCA STC SH98-57
FAA STC SR01246NY
FAA STC SR01364NY

THE PURPOSE OF THIS DSI IS TO PROTECT THE MANUAL CARGO RELEASE CABLE ON AIRCRAFT EQUIPPED WITH A CARGO HOOK AND THE D407-627-013 HELI-UTILITY POD OR D407-663-011 HELI-UTILITY BASKET.

THE DSI 9428-011 CABLE CONNECTION GUARD KIT HAS BEEN INCORPORATED INTO D407-663-011 HELI-UTILITY BASKET KITS AT CHG 003 AND SUBSEQUENT AND D407-627-013 HELI-UTILITY POD KITS AT CHG 005 AND SUBSEQUENT. OPERATORS WHO HAVE D407-663-011 HELI-UTILITY BASKET KIT CHG 002 AND EARLIER OR D407-627-013 HELI-UTILITY POD KIT CHG 004 AND EARLIER MAY ORDER THE DSI 9428-011 CABLE CONNECTION GUARD KIT.

THE DSI 9428-011 CABLE CONNECTION GUARD KIT INCLUDES QTY (1) D3863-1 GUIDE. THE D3863-1 GUIDE IS TO BE INSTALLED OVER THE MANUAL CARGO HOOK RELEASE CABLE WHERE IT PASSES THE CENTER OF THE D2796 SUPPORT ARM OF THE BASKET/POD. THE D3863-1 GUIDE IS INTENDED TO PREVENT THE MANUAL RELEASE CABLE CONNECTION FROM BEING CAUGHT ON THE EDGE OF THE HOLE IN THE D2796 SUPPORT ARM SHOULD A MIS-ALIGNMENT EXIST.

THE DSI 9428-011 CABLE CONNECTION GUARD MAY BE INSTALLED AFTER THE D2796 SUPPORT ARM HAS BEEN INSTALLED AS FOLLOWS:

- 1) DISCONNECT THE MANUAL RELEASE CABLE AT THE CONNECTION POINT UNDER THE BELLY OF THE HELICOPTER.
- 2) SLIDE THE D3863-1 GUIDE OVER THE CABLE.
- 3) RECONNECT THE CABLE.
- 4) POSITION THE D3863-1 GUIDE SO THAT IT IS CENTERED ON THE MANUAL RELEASE CABLE CONNECTION.

SEE FIGURE 1 FOR DETAILS.

PARTS LIST

ITEM	QTY -011	PART NUMBER	DESCRIPTION
1	X	DSI 9428-011	CABLE CONNECTION GUARD KIT
5	1	D3863-1	GUIDE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 08.12.01
CERT. NO.: SH00-28/SH98-57
ISSUE NO.: 1 / 2

A	NEW ISSUE	08.12.01
REV	DESCRIPTION	BY DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN		
CHECKED	ASS	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9428 SHEET 1 OF 2
APPROVED		TITLE SCALE
DE APPR.		CABLE CONNECTION GUARD NTS
DATE	08.12.01	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

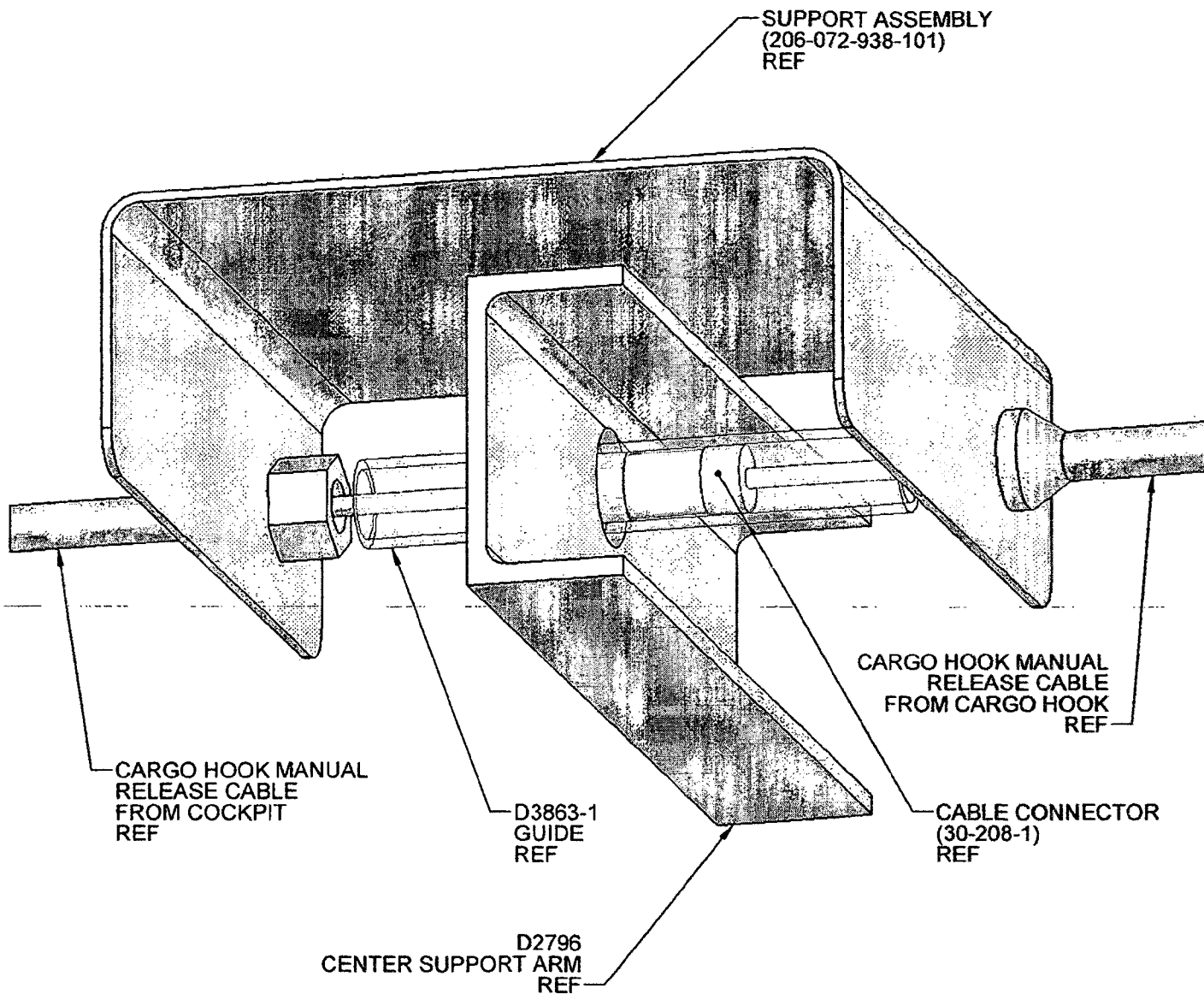


FIGURE 1
D3863-1 GUIDE INSTALLATION

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 08.12.01
CERT. NO.: SH00-28/SH98-57
ISSUE NO.: 1 / 2

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>ASS</i>	DRAWING NO. DSI 9428	REV. A
MFG. APPR.	N/A	SHEET 2 OF 2	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CABLE CONNECTION GUARD	NTS
DATE	08.12.01	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

25.5 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D407-663-011 <i>Heli-Utility-Basket™</i>	57.3 lb 26.0 kg	41.9 in 1.06 m	2400.9 in-lb 27.6 m-kg	115.75 in 2.94 m	6632.5 in-lb 76.4 m-kg

25.6 PARTS LIST

Qty	Part Number	Description
X	D407-663-011	HELI-UTILITY-BASKET INSTALLATION
2	D2012-107	CLEVIS
4	D2022-101	SPACERS
6	D2690-5	LANYARD ASSEMBLY
1	D2955-041	UTILITY BASKET ASSEMBLY
2	D2764	CROSS BEAM
1	D2796	MIDDLE CROSS BEAM
3	D2846	SUPPORT ARM
12	D2847	LUG
1	D2848	STRUT
1	D2852	LABEL
1	D2984	LABEL
6	AN3-5A	BOLT
6	AN3-11A	BOLT 6
2	AN4-10A	BOLT
6	AN4-13A	BOLT
1	AN4-14A	BOLT
11	AN4-17A	BOLT
1	AN4-20A	BOLT
24	AN960JD10	WASHER 6 (+ 18 from 302-011)
21	AN960JD416	WASHER 6+15
12	MS21042-3 or MS21042L3	NUT 6 (+ 6 from 407 302 011)
21	MS21042-4 or MS21042L4	NUT 6+15
6	BLBS-020 or BLRS-020 or BLC4BA15S or BLC4RA15S	PIP PIN

REFERENCE ONLY

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

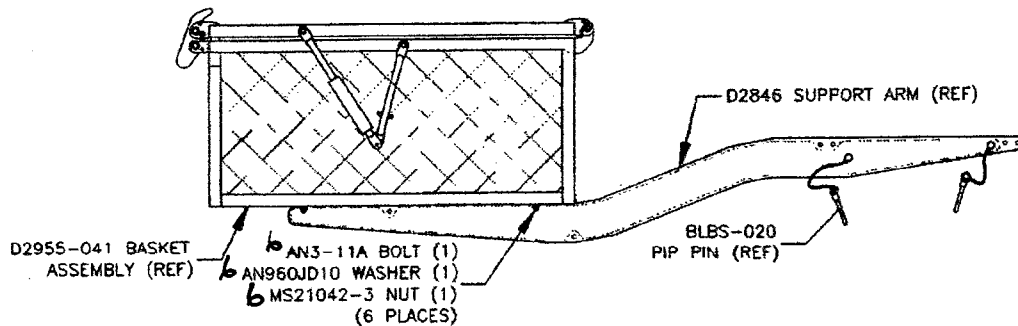


Figure 6 - Basket Mounting Detail

25.4 REPLACEMENT PARTS

Figure 7 lists components of the Dart *Heli-Utility-Basket™* which can be replaced if required. The part numbers are included for reference only, and are normally included with the D2955-041 Basket Assembly.

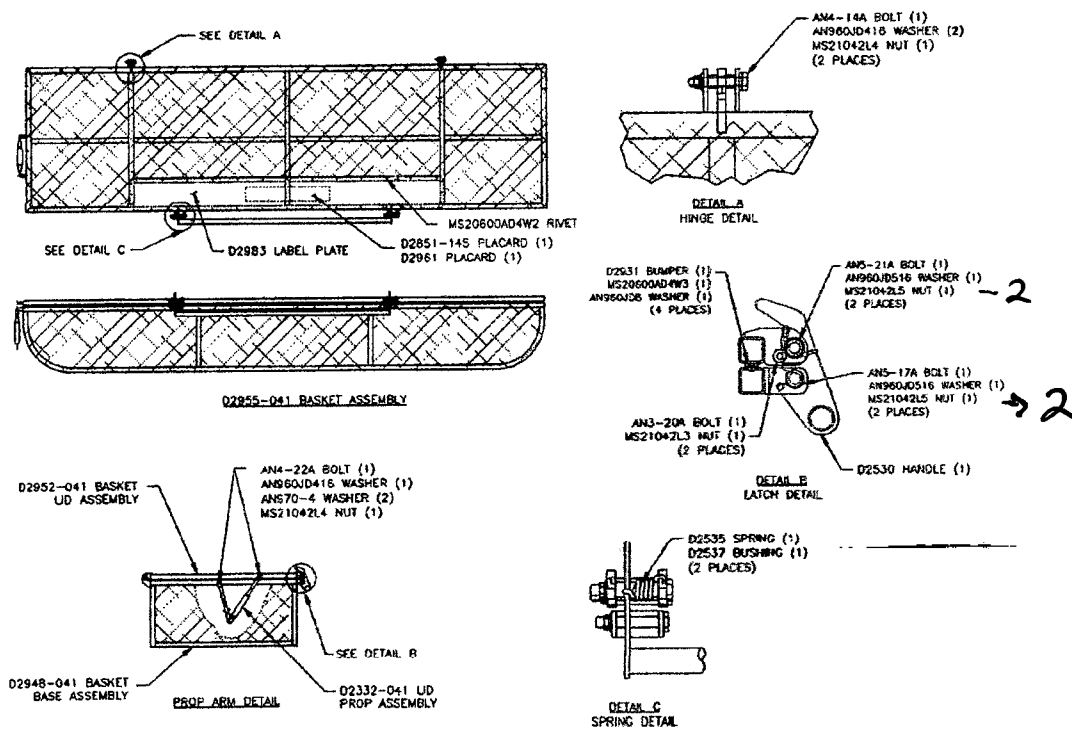






Figure 7 - Replacement Parts

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DESIGN 	DRAWN BY 	DART AEROSPACE LTD. HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. D407-301	REV. A SHEET 1 OF 1
DATE 01.02.23		TITLE CENTER BRACKET KITS	SCALE NTS
A	01.02.23	NEW ISSUE	

Qty -011	Qty -013	Part No.	Description
X		D407-301-011	CENTER BRACKET KIT (3), 206L/L1/L3/L4/407
	X	D407-301-013	CENTER BRACKET KIT (2), 206A/B
2	2	D2764	CROSS BEAM
1		D2796	MIDDLE CROSS BEAM
6	4	AN4-13A	BOLT
6	4	AN960JD416	WASHER
6	4	MS21042-4	NUT (OR MS21042L4)

DART

DESIGN <i>A</i>	DRAWN BY <i>A</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>UP</i>	APPROVED <i>A</i>	DRAWING NO. D407-302	REV. A SHEET 1 OF 1
DATE 01.02.23		TITLE OUTBOARD BRACKET KITS	SCALE NTS
A	01.02.23	NEW ISSUE	

Qty -011	Qty -013	Part No.	Description
X		D407-302-011	OUTBOARD BRACKET KIT (3), 206L/L1/L3/L4/407
	X	D407-302-013	OUTBOARD BRACKET KIT (2), 206A/B
2	2	D2012-107	CLEVIS
4	4	D2022-101	SPACER
8	4	D2690-5	LANYARD
8	2	D2846	SUPPORT ARM
12	8	D2847	LUG
1		D2848	STRUT
	1	D2997	STRUT
6	4	BLBS-020 (OR BLRS-020 OR BLC4BA15S OR BLC4RA15S)	PIP PIN
8	4	AN3-5A	BOLT
2	2	AN4-10A	BOLT
1	1	AN4-14A	BOLT
11	7	AN4-17A	BOLT
1	1	AN4-20A	BOLT
18	12	AN960JD10	WASHER
15	11	AN960JD416	WASHER
8	4	MS21042-3 (OR MS21042L3)	NUT
15	11	MS21042-4 (OR MS21042L4)	NUT

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